

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/643,752-Conf. #4082
				Filing Date	August 19, 2003
				First Named Inventor	David R. Liu
				Art Unit	1637
				Examiner Name	S. K. Mummert
Sheet	1	of	1	Attorney Docket Number	LS5-001

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A84*	US-5,770,367	06-23-1998	Southern et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	B35	WO-00/32823	06-08-2000	Lohse		
	B36	WO-01/16352	03-08-2001	Kuimelis		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

possible. Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C241	Gartner et al (2001) "The generality of DNA-templated synthesis as a basis for evolving non-natural small molecules," J. Am. Chem. Soc. 123:6961-63.	
	C242	Stryer (1995) Biochemistry, 4th Edition, Chapter 37.	
	C243	Rohatgi et al. (1996) J. Am. Chem. Soc. 118: 3332-39.	
	C244	Rohatgi et al. (1996) J. Am. Chem. Soc. 118: 3340-44.	
	C245	Suga et al. (1998) J. Am. Chem. Soc. 120: 1151-1156.	
	C246	Suga et al. (1998) Biochem. 37: 10118-25.	
	C247	Lee et al. (2000) Nature Struct. Biol. 7: 28-33.	
	C248	Bartel et al. (1993) Science 261 1411-18.	
	C249	Xu et al. (1999) Nucl. Acids Res. 27: 875-81.	
	C250	Ekland et al. (1995) Science 269: 364-70.	
	C251	Jenne et al. (1998) Chem. Biol. 5: 23-34.	
	C252	Goodwin et al. (1992) J. Am. Chem. Soc. 114: 9197-98.	
	C253	Xu et al. (1998) Nucl. Acids Res. 26(13): 3159-64.	
	C254	Homepage of David R. Liu (http://evolve.harvard.edu) available at 11 March 2000 according to the Wayback Machine (http://web.archive.org).	
	C255	Homepage of David R. Liu (http://evolve.harvard.edu) available at 15 October 2000 according to the Wayback Machine (http://web.archive.org).	
	C256	Homepage of David R. Liu (http://evolve.harvard.edu) available at 11 March 2000 according to the Wayback Machine (http://web.archive.org) .	
	C257	Opposition to European Patent No. EP1423400, filed May 9, 2007 (Communication issued from EPO on May 15, 2007).	
	C258	Harris et al. (1999) "Directed Molecular Evolution," Origins of Life and Evolution of Biosphere 29: 425-435.	
	C259	Dorner et al (1984) "In vitro translation of poliovirus RNA: utilization of internal initiation sites in reticulocyte lysate," Journal of Virology 50(3):507-514.	
	C260	Brooker (1999) "Genetics Analysis and Principles," Edition 1, Menlo Park, CA 326, 368, 372, 373, 379.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.
LIBC/3104419.1

Examiner Signature		Date Considered	
--------------------	--	-----------------	--